

# Sungjin Park

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17  
papers

110  
citations

5  
h-index

10  
g-index

19  
ext. papers

152  
ext. citations

3.8  
avg, IF

2.48  
L-index

#	Paper	IF	Citations
17	Structural Analysis, Phase Stability, Electronic Band Structures, and Electric Transport Types of $(\text{Bi}_2)_m(\text{Bi}_2\text{Te}_3)_n$ by Density Functional Theory Calculations. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11341 <sup>2,6</sup>		
16	Native point defects and low p-doping efficiency in $\text{Mg}_2(\text{Si},\text{Sn})$ solid solutions: A hybrid-density functional study. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 853, 157145	5.7	5
15	On the relevance of point defects for the selection of contacting electrodes: Ag as an example for $\text{Mg}_2(\text{Si},\text{Sn})$ -based thermoelectric generators. <i>Materials Today Physics</i> , <b>2021</b> , 16, 100309	8	5
14	Effect of defect interactions with interstitial Ag in the lattice of $\text{Bi}_x\text{Sb}_{2-x}\text{Te}_3$ alloys and their thermoelectric properties. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 052102	3.4	4
13	Entropy stabilized off-stoichiometric cubic $\text{ECu}_{1-x}\text{I}_x$ phase containing high-density Cu vacancies. <i>AIP Advances</i> , <b>2021</b> , 11, 095018	1.5	1
12	Thermoelectric Properties of Off-Stoichiometric $\text{Bi}_2\text{Te}_2\text{Se}$ Compounds. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 5308-5316	1.9	3
11	Fine tuning of Fermi level by charged impurity-defect cluster formation and thermoelectric properties in n-type $\text{PbTe}$ -based compounds. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16488-16500	13	14
10	Hybrid-Functional and Quasi-Particle Calculations of Band Structures of $\text{Mg}_2\text{Si}$ , $\text{Mg}_2\text{Ge}$ , and $\text{Mg}_2\text{Sn}$ . <i>Journal of the Korean Physical Society</i> , <b>2019</b> , 75, 144-152	0.6	12
9	$^4\text{He}$ adsorption on a single $\text{C}_{40}$ molecule: Path integral Monte Carlo study. <i>Journal of the Korean Physical Society</i> , <b>2018</b> , 72, 95-100	0.6	
8	Control of oxygen content of n-type $\text{Bi}_2\text{Te}_3$ based compounds by sintering process and their thermoelectric properties. <i>Materials Letters</i> , <b>2018</b> , 230, 211-214	3.3	5
7	Control of CO Capture Process on Transition-Metal-Porphyrin-like Graphene with Mechanical Strain. <i>ACS Omega</i> , <b>2018</b> , 3, 10554-10563	3.9	6
6	Interlayer correlation between two $\text{He}_4$ monolayers adsorbed on both sides of $\text{E}_{\text{graphyne}}$ . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	3
5	Anisotropic superfluidity of $(^4\text{He})$ on a $\text{C}_{36}$ fullerene molecule. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 104311	3.9	4
4	Borane-modified graphene-based materials as $\text{CO}_2$ adsorbents. <i>Carbon</i> , <b>2014</b> , 79, 450-456	10.4	42
3	$^4\text{He}$ adsorption on a $\text{H}_2$ -plated $\text{C}_{20}$ molecular surface: the formation of helium buckyballs. <i>Physical Review E</i> , <b>2014</b> , 89, 042118	2.4	5
2	Path-integral Monte Carlo study of asymmetric quantum quadrupolar rotors with fourth-order propagators. <i>Journal of the Korean Physical Society</i> , <b>2012</b> , 61, 513-517	0.6	
1	Anomalous ferromagnetism in manganites by finite block spin phenomenology. <i>Solid State Communications</i> , <b>2010</b> , 150, 2178-2181	1.6	

